

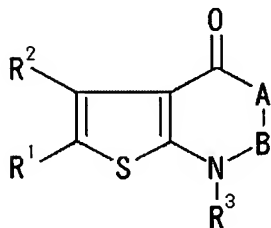
## CLAIMS

1. A preventing or treating agent for hot flash which comprises a non-peptidic compound having gonadotropin releasing hormone antagonistic activity.

2. The agent according to claim 1, wherein the compound is a compound capable of entering the brain.

3. The agent according to claim 1, wherein the compound is a fused heterocyclic compound.

4. The agent according to claim 1, wherein the compound is a compound represented by the formula:

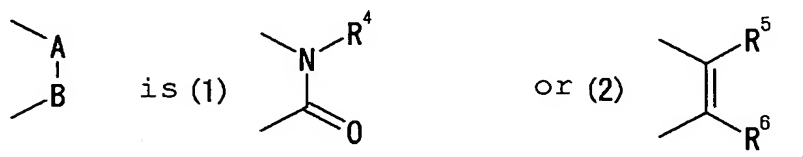


wherein R<sup>1</sup> represents (1) a hydrogen atom, (2) a group linking via a carbon atom, (3) a group linking via a nitrogen atom, (4) a group linking via an oxygen atom or (5) a group linking via a sulfur atom,

R<sup>2</sup> represents (1) a hydrogen atom, (2) a group linking via a carbon atom, (3) a group linking via a nitrogen atom, (4) a group linking via an oxygen atom or (5) a group linking via a sulfur atom,

R<sup>3</sup> represents (1) a hydrogen atom, (2) alkyl or (3) - (CH<sub>2</sub>)<sub>p</sub>Q (wherein p represents an integer of 0 to 3 and Q

represents an optionally substituted homocyclic group or an optionally substituted heterocyclic group),



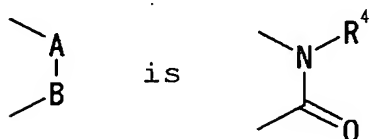
R<sup>4</sup> represents (1) a hydrogen atom, (2) alkyl  
 5 optionally substituted with alkoxy, (3) optionally  
 substituted aryl, (4) optionally substituted aralkyl or (5)  
 optionally substituted cycloalkyl,

R<sup>5</sup> represents (1) a hydrogen atom, (2) formyl, (3)  
 cyano, (4) C<sub>1-6</sub>alkyl optionally substituted with (i) a group  
 10 linking via a sulfur atom or (ii) a group linking via an  
 oxygen atom, (5) an optionally substituted heterocyclic  
 group, (6) a group linking via a nitrogen atom, (7) a group  
 linking via an oxygen atom, (8) a group linking via a  
 sulfur atom, (9) optionally esterified, thioesterified or  
 15 amidated carboxyl or (10) -C(O)R<sup>7</sup> (wherein R<sup>7</sup> represents an  
 optionally substituted hydrocarbon group), and

R<sup>6</sup> represents (1) a hydrogen atom or (2) a group  
 linking via a carbon atom, or a salt or prodrug thereof.

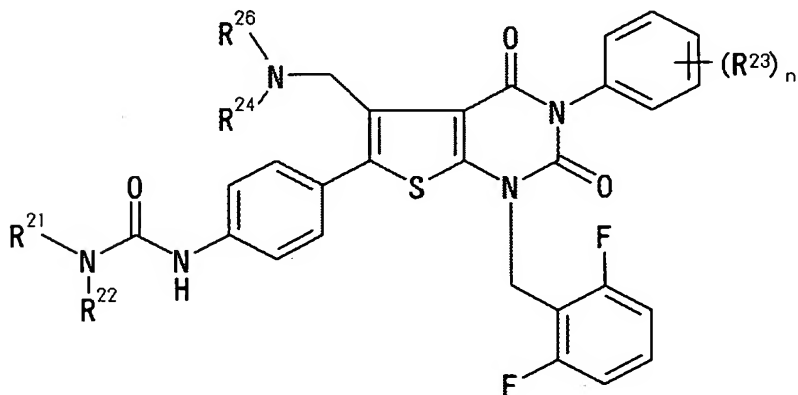
5. The agent according to claim 4, wherein R<sup>1</sup> is  
 20 optionally substituted C<sub>6-14</sub> aryl, R<sup>2</sup> is (1) C<sub>1-3</sub>alkyl  
 substituted with a group linking via a nitrogen atom or (2)  
 a group linking via a nitrogen atom, R<sup>3</sup> is -(CH<sub>2</sub>)<sub>p</sub>Q (wherein  
 p represents an integer of 0 to 3 and Q represents an

optionally substituted homocyclic group or an optionally substituted heterocyclic group),

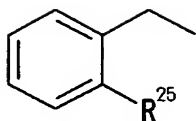


R<sup>4</sup> is (1) C<sub>1-6</sub>alkyl optionally substituted with C<sub>1-6</sub>alkoxy or (2) optionally substituted C<sub>6-14</sub>aryl.

6. The agent according to claim 1, wherein the compound is a compound represented by the formula:



wherein R<sup>21</sup> and R<sup>22</sup> each represent (1) a hydrogen atom (2) hydroxy (3) C<sub>1-4</sub>alkoxy, (4) C<sub>1-4</sub>alkoxy-carbonyl or (5) optionally substituted C<sub>1-4</sub>alkyl, R<sup>23</sup> represents (1) a hydrogen atom, (2) halogen, (3) hydroxy or (4) optionally substituted C<sub>1-4</sub>alkoxy, or two R<sup>23</sup> adjacent to each other may be linked to form C<sub>1-4</sub> alkylenedioxy, R<sup>24</sup> represents (1) a hydrogen atom or (2) C<sub>1-4</sub>alkyl, and R<sup>26</sup> represents (1) optionally substituted C<sub>1-4</sub>alkyl or (2) a group represented by the formula:



wherein  $R^{25}$  represents a hydrogen atom or may be taken together with  $R^{24}$  to form a heterocycle, and n represents an integer of 0 to 5, or a salt thereof.

- 5     7.     A method for preventing or treating hot flash, which comprises administering an effective amount of a non-peptidic compound having gonadotropin releasing hormone antagonistic activity to a mammal.
- 10     8.     Use of a non-peptidic compound having gonadotropin releasing hormone antagonistic activity for preparation of a preventing or treating agent for hot flash.